

TOTAL PERFORMANCE
VAN'S AIRCRAFT

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SERVICE BULLETIN 16-08-24

- Date Released:** September 6, 2016
- Date Effective:** September 6, 2016
- Subject:** Loose WD-1204 Engine Mount Bracket attachment rivets.
- Affected Models:** All RV-12 aircraft.
- Required Action:** Inspect the condition of the rivets attaching the WD-1204 Engine Mount Brackets to the F-1202B Panel Base. Inspect for any indications of wear including a smoky or greasy appearing film around the rivet. Signs of rivet wear require the removal and replacement of the rivets as described in the Method of Compliance section of this document.
- Time of Compliance:** At or before the next annual condition inspection. If no loose rivets are found, make a log entry indicating compliance with the inspection portion of this service bulletin and re-inspect at every annual condition inspection or until the modifications described in this document are completed.
- Labor Required / SLSA Warranty Allowance:** 1.5 Hrs
- Level of Certification:** ELSA - LSA Repairman Inspection, A&P
SLSA - LSA Repairman Maintenance, A&P
- Synopsis:** Loose rivets attaching the engine mount brackets to the panel base have been reported on two flying RV-12s. In both cases, only rivets in the aft two rows were loose, the four remaining rows were unaffected.

Method of Compliance:

Step 1: Remove the F-1240 Upper Forward Fuselage Skin to gain access to the WD-1204 Engine Mount Brackets.

Step 2: Inspect the two engine mount brackets for loose rivets.

- If loose rivets are found, complete the remaining steps in this service bulletin.
- If loose rivets are not found, make a log entry indicating that recurrent inspection is due at the next annual condition inspection.

Step 3: Carefully remove the six rivets in the aft two rows of both WD-1204 Engine Mount Brackets. See Figure 1.

When removing blind rivets:

- (1) Drive out the center mandrel of the rivet with a hammer and a 1/16" diam. pin punch by inserting the pin punch into the small hole in the manufactured head of the rivet, and then tap the mandrel out through the shop head of the rivet.
- (2) Drill through the rivet using a 1/8" drill bit. Use a combination of high rpm and very low pressure on the drill bit to help prevent the rivet from spinning.
- (3) If a rivet does spin, hold the shop head of the rivet with a pair of pliers while drilling.

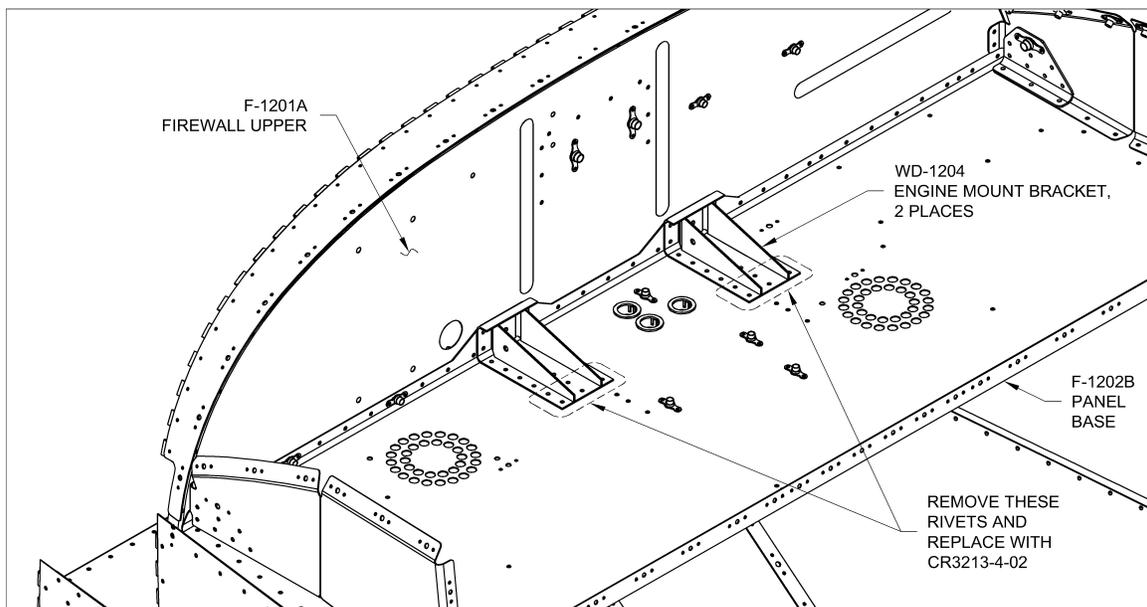


FIGURE 1: ENGINE MOUNT BRACKET RIVETS

Step 4: Install the rivets called out in Figure 1.

Step 5: Reinstall the F-1240 Upper Forward Fuselage Skin.

Step 6: Make an appropriate log book entry to show that SB 16-08-24 has been complied with.

Place a copy of this notification in the back of the maintenance manual for your aircraft. Note the addition of this notification to the bottom of the Maintenance Manual table of contents.

PARTS REQUIRED:

12 ea. CR3213-4-02 CHERRY RIVET